Home Multimedia Center

Movie Cube K220

User’s Manual

(Version 1.0)

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1. Introduction

1.1 Preface

Dear Customer,

Thank you very much for purchasing the product. In the digital era, this product is a great home entertainment partner. With the outstanding design, you can enjoy movies and music, and view photos of precious moments. It's easy to use this product as a portable external storage device with its built-in HDD and high-speed USB 2.0.

This player has the following functionality:

Data Storage	-	supports 3.5" SATA HDD up to 1TB.
Video Playback	-	supports AVI, VOB, MPG, DAT, MP4, TS files with corresponding codec: MPEG-1, MPEG-2 (resolution up to D1 quality).
Music Playback	-	supports MP3, WMA, OGG (DRM, Pro and Advanced Profile not supported). files.
Photo Playback	-	supports JPG/JPEG, BMP files;
	-	supports slide show mode.
USB HOST	-	direct playback files from U disk and external USB HDD.
Card Reader	-	supports memory cards: SD/SDHC/MMC/MS.

We hope that this product will bring you a lot of enjoyment. We are committed to apply multimedia technology in your work, entertainment, family, daily life, car and everywhere! Welcome to Emtec. Thank you again for choosing our product.

1.2 Packing List

Part	Quantity
Player	1
A/V cable	1
Remote Control	1
AC/DC adaptor	1
CD (with User Manual)	1
Quick Start Guide	1

Note:
The actual contents in the package might be different from the packing list in this manual.

1.3 Caution

This player's design and manufacture has your safety in mind. In order to safely and effectively use this player, please read the following before usage.

1.3.1 Usage cautions

User should not modify this player. If commercial hard disk is being used, the environmental temperature should be within +5 ~ +35 .

1.3.2 Power

The player's power voltage: DC 12V.
When using this player, please connect the supplied AC adapter or AC adapter cable to the player's power jack. When placing the adapter cable, make sure it can not get damaged or be subject to pressure. To reduce the risk of electric shock, unplug the adapter first before cleaning it. Never connect the adapter to the player in a humid or dusty area. Do not replace the adapter or cable's wire or connector.

1.3.3 Radio interference/compatibility

- If not properly shielded, almost all electronic devices will get radio interference. Under some conditions, your player might get interference.
- The design of this player has followed the FCC/CE standard, and has followed the following rules:

(1) This player may not cause harmful interference;

(2) This player could accept some interference received including interference that may cause undesired operation.

1.3.4 Repair

If the player has a problem, you should take it to an appointed repair center and let the specialists do the repair, never repair the player yourself, you might damage the player or endanger yourself or your data.

1.3.5 Disposing of the player

When you dispose of the player, be sure to dispose it appropriately. Some countries may regulate disposal of electrical device, please consult with your local authority.

1.3.6 Hard disk cautions

The player uses an internal hard disk for data storage, in normal case, format or repair is not required.
You should carefully read the < Frequently Asked Questions > chapter, and check our website for latest information before formatting the hard disk.

- Physical impact may create bad sector in the hard disk, you can use CHKDSK to fix the problem.
- All data stored in the player may be lost due to physical impact, electrical shock, power lost,

HDD format etc. Please backup your data.

- It is suggested to do defragment after a long period of usage.
- Regularly backup the data in the hard disk so that it can be recovered in the event of data corruption or loss. Our company takes no responsibility for loss of data stored on the hard disk.

1.3.7 Others

When using this player, please do not let the player come into contact with water or other liquid, if water is accidentally spilled on the player, please use a dry cloth to absorb the spillage.

Electronic products are vulnerable, when using please avoid shaking or hitting the player, and do not press the buttons too hard.

- ✧ Do not let the player come into contact with water or other liquid.
- ✧ Do not disassemble the player, repair the player or change the design of the player, any damage done will not be included in the repair policy.
- ✧ Do not press the buttons of the player too hard.
- ✧ Avoid hitting the player with hard object, avoid shaking the player, and stay away from magnetic fields.
- ✧ During electrostatic discharge and the strong electromagnetic field, the product will malfunction, then unplug the power cable and the product will return to normal performance next time it is powered on.

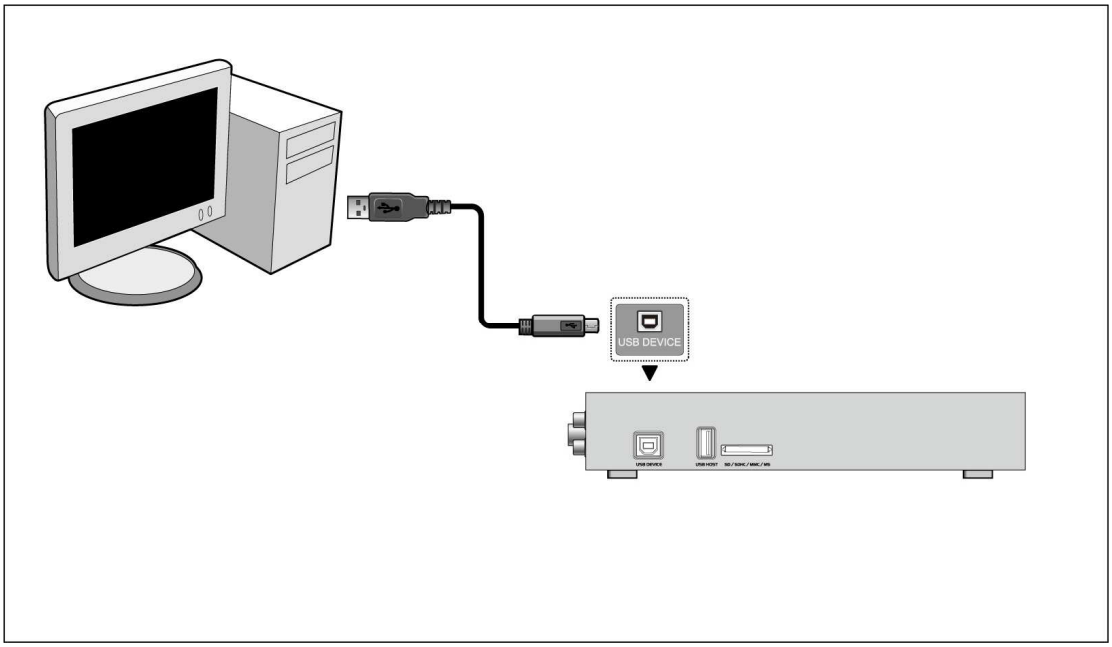
1.4 Connection

1.4.1 Connect to Computer

(1) Make sure the player is powered on.

(2) Plug in the squarish connector of the USB cable to this player's USB DEVICE port.

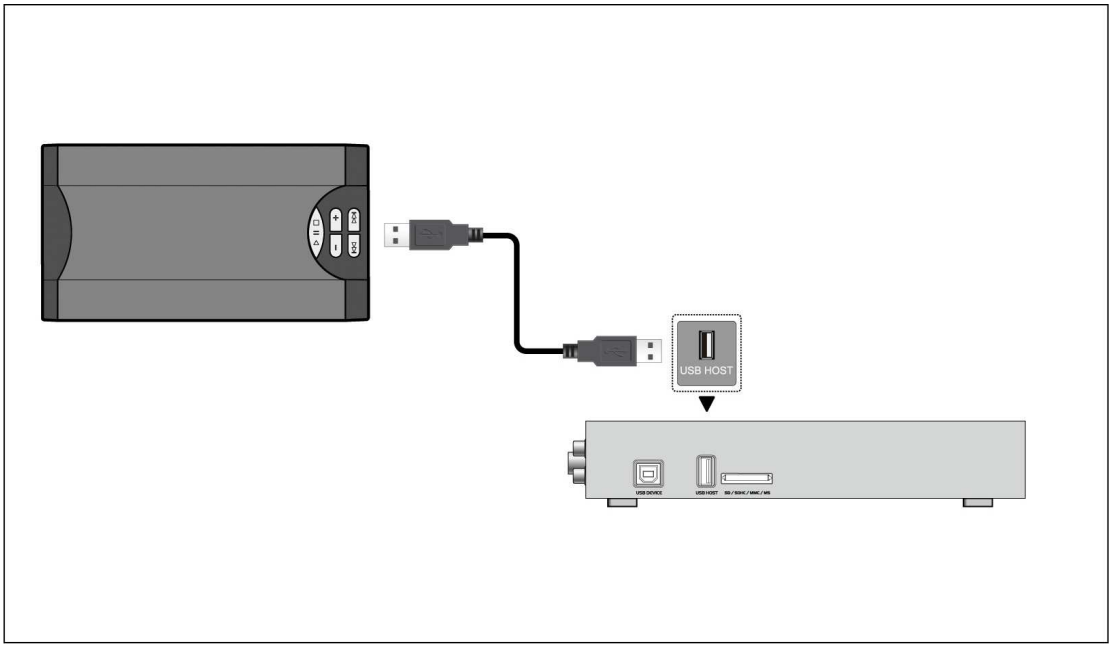
(3) Plug in the rectangular connector of the USB cable to computer.



1.4.2 USB Mass Storage Device (like USB Pen Drive, MP3, USB HDD etc.) Connection

(1) Make sure the player is powered on.

(2) Plug in the USB Pen Drive or USB HDD etc. to the USB host port of this player.

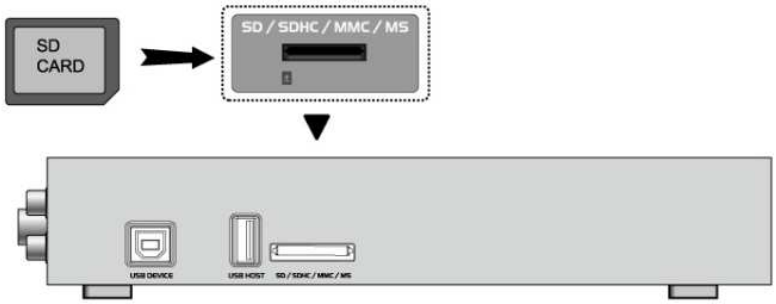


1.4.3 Memory card connection

Memory card can be used by inserting in the card slot.

(1) Follow the picture to insert the memory card in the card slot properly.

(2) Insert the card by following the arrow pointer in the picture.



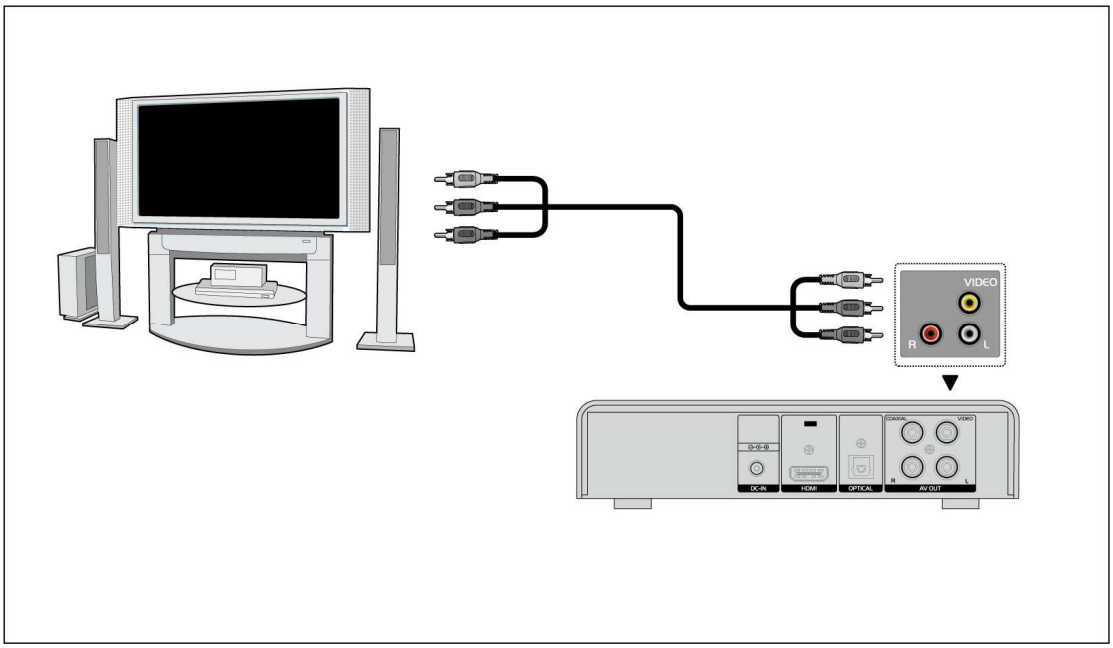
1.4.4 TV connection

1.4.4.1 A/V OUT

(1) Follow the picture and plug in the 3 color connector to the player's A/V OUT jack.

(2) Follow the picture and plug in the 3 color connector to the TV's A/V IN jack.

In this way, you can enjoy the content in the player on TV or other display devices.

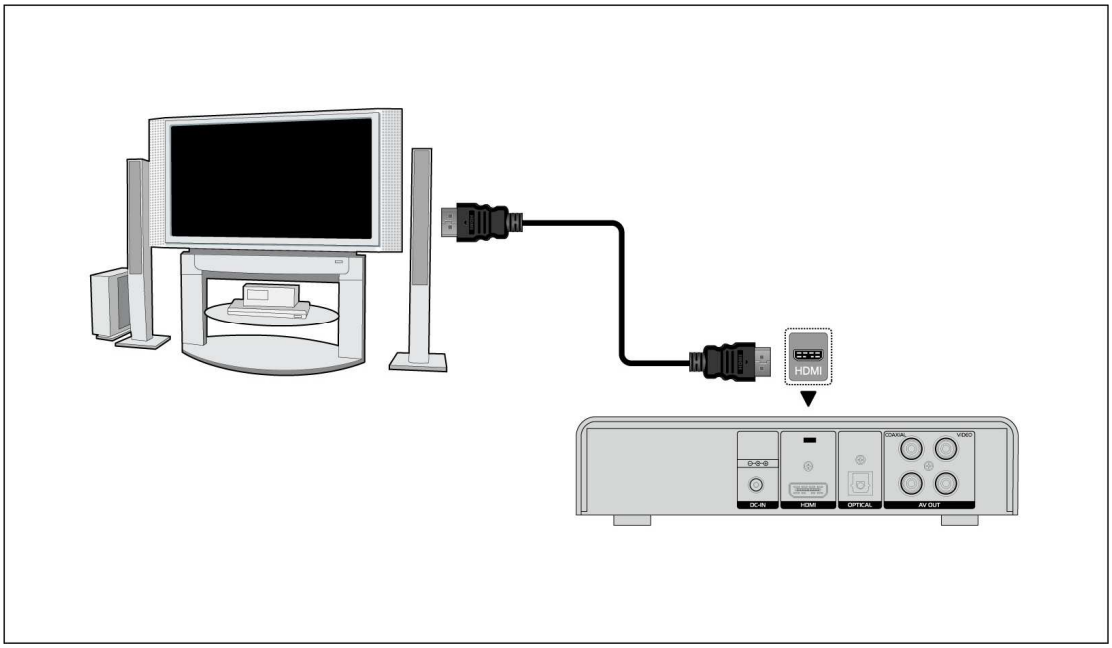


In this way, you can also enjoy videos, music, and photos in the player on TV.

1.4.4.2 HDMI OUT

(1) Follow the picture and plug one connector of your HDMI cable to the player's HDMI jack.

(2) Follow the picture and plug the other connector of your HDMI cable to the TV's HDMI jack (not supplied).

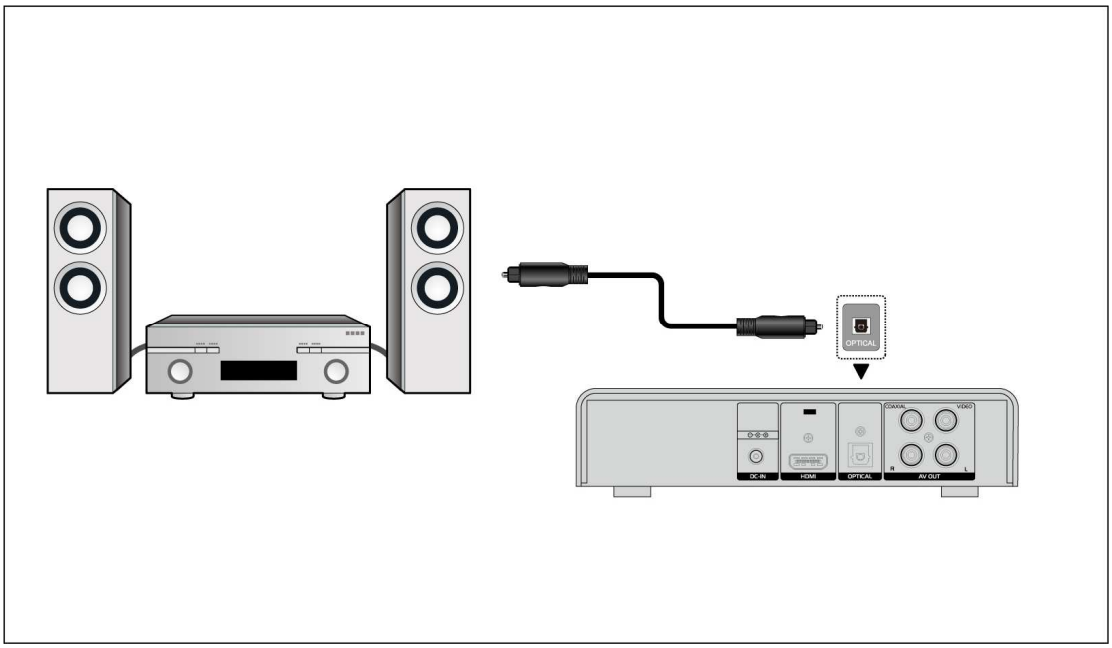


In this way, you can have the highest quality video and audio via a single cable.

1.4.5 Digital Audio Device connection

(1) Follow the picture and plug in the Toslink connector of your coaxial cable to the player's S/PDIF Coaxial jack. Or if you use optical fiber, please plug in the Toslink connector of your optical fiber to the player's S/PDIF Optical jack (not supplied).

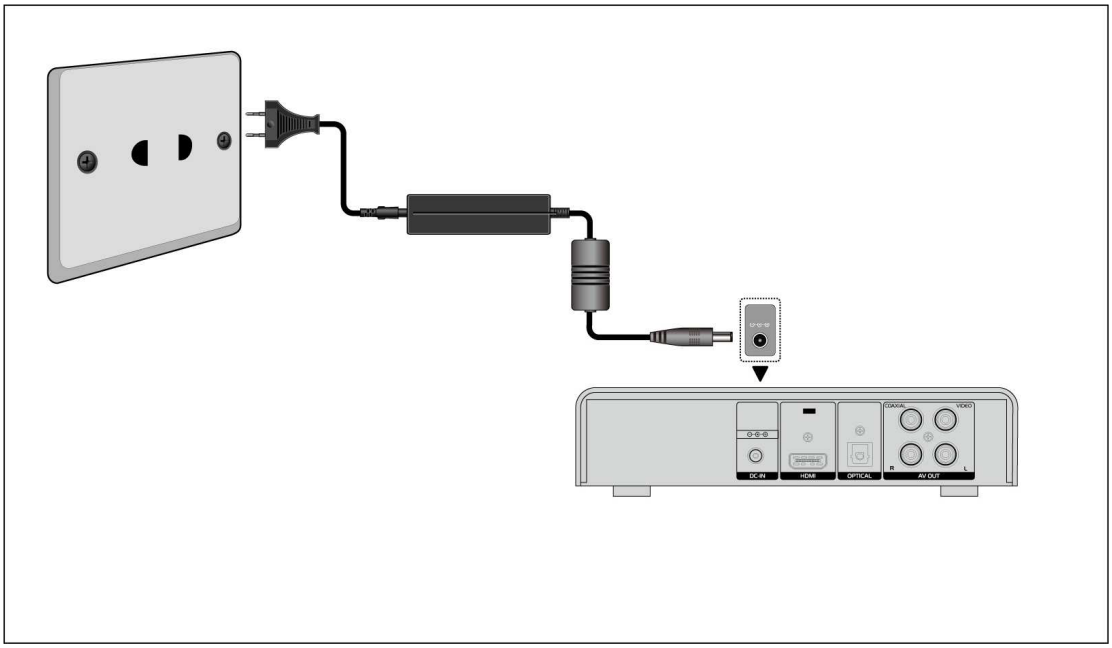
(2) Follow the picture and plug in the other connector on your optical fiber to the digital audio device (not supplied).



1.4.6 Power connection

(1) Follow the picture and connect the AC adaptor to the player's DC IN jack.

(2) Follow the picture and plug in the AC adaptor to the power outlet.



1.5 First Time Usage

1. Power on

After connecting to power, the POWER button indicator on the front panel will turn on (red light). Press the POWER button to power on the player, then the indicator light will turn blue.

2. Power off

In playback and other interface, press the POWER button to turn off the player, when power off the player will prompt you that the system is being shut down. After the system is shut down, the indicator light of the POWER button on the front panel will turn red.

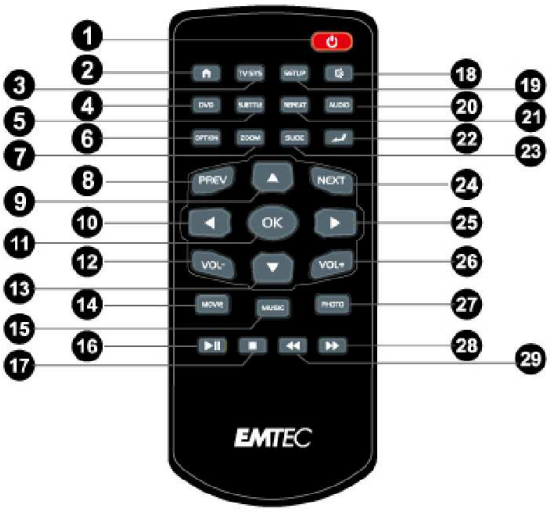
3. Language control

The system language of this player can be set to English or other languages. In the Setup interface, the selected language will take effect immediately.

2. About the Player

2.1 Remote Control

All procedures in this manual can be carried out using the remote control buttons.
See the following for details on each button and its function:



1. POWER
2. HOME
3. TV SYS
4. DVD
5. SUBTITLE
6. OPTION
7. ZOOM
8. PREV
9. UP
10. LEFT
11. OK
12. VOL-
13. DOWN
14. MOVIE
15. MUSIC
16. PLAY/PAUSE
17. STOP
18. SETUP
19. MUTE
20. REPEAT
21. AUDIO
22. SLIDE
23. RETURN
24. NEXT
25. RIGHT
26. VOL+
27. PHOTO
28. FR
29. FF

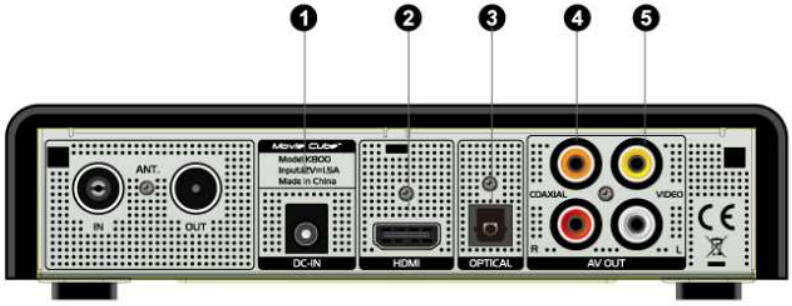
No.	Button	Function
1	**POWER**	Press 1 sec to enter standby mode or wake up.
2	**HOME**	Press this button to return to the main interface.
3	**TV SYSTEM**	Switch video output mode.
4	**DVD**	Press under VIDEO_TS folder to playback DVD DISC.
5	**SUBTITLE**	Turn on/off subtitle
6	**OPTION**	Press to open tool bar
7	**ZOOM**	Press to zoom out/zoom in the photo
8	**PREV**	In file list mode, press this button to return to the previous file list. In playback mode, press this button to playback the previous media file
9	**UP**	Move cursor upward. Rotate the photo.
10	**LEFT**	Move cursor to the left. Rotate the photo.
11	**OK**	Press OK button to confirm
12	**VOL-**	Decrease the volume
13	**DOWN**	Move cursor downward. Rotate the photo.
14	**MOVIE**	Enter movie interface from other interface
15	**MUSIC**	Enter music interface from other interface
16	**PLAY/PAUSE**	Playback/Pause
17	**STOP**	During playback, press this button to stop the playback.
18	**SETUP**	Enter the setup menu

19	**MUTE**	Press this button to turn on/off mute function
20	**REPEAT**	Setup the repeat mode.
21	**AUDIO**	Switch audio channels.
22	**SLIDE**	Select to set photo+music slide show
23	**RETURN**	Press to go back to the previous screen when navigating menus.
24	**NEXT**	In file list mode, press this button to move to the next file list. In playback mode, press this button to playback the next media file
25	**RIGHT**	Move cursor to the right. Rotate the photo.
26	**VOL+**	Increase the volume
27	**PHOTO**	Enter photo interface from other interface
28	**FR**	During video/audio playback, press this button to fast rewind
29	**FF**	During video/audio playback, press this button to fast forward

2.2 Front Panel

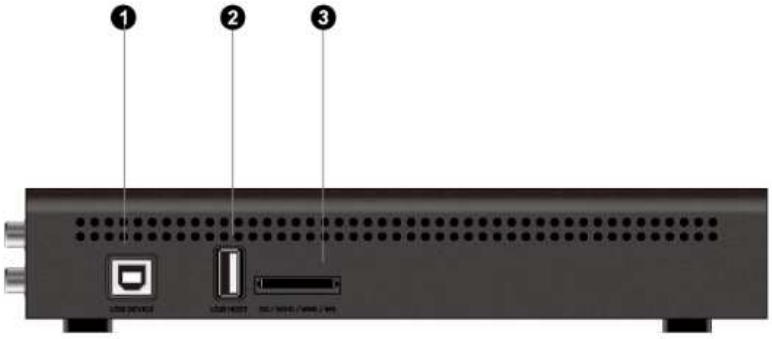
1. POWER button
2. REC indicator

2.3 Rear Panel



1. DC IN jack
2. HDMI jack
3. S/PDIF OPTICAL jack
4. S/PDIF COAXIAL jack
5. A/V OUT jack

2.4 Side Panel

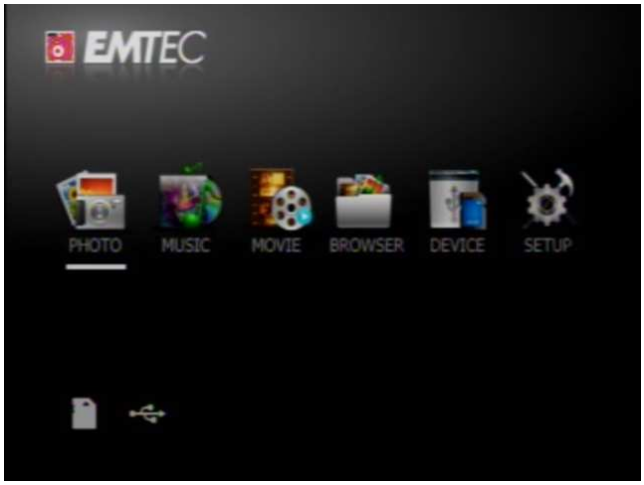


1. USB DEVICE port (B-Type)
2. USB HOST port (A-Type)
3. Card slot

3. Functions

3.1 Main Interface

In the main interface, by default the cursor will stay on the photo function, when the cursor points to another function, the name of that function will be displayed. The main interface contains: PHOTO, MUSIC, MOVIE, BROWSER, DEVICE and SETUP.



3.2 Movie Playback

Enter movie interface, only supported video files and folders will be displayed. This player supports DAT, VOB, AVI and MPG video files.

Select a video file to start playback, due to size of the video, the loading process might take a while. You can access the following functions during playback:

- **PLAY/PAUSE**: Press to play/pause the playback
- **FR/FF**: Press to fast reverse/fast forward the current playback. Press repeatedly to select speeds (2x/4x/6x/8x/16x/32x)
- **REPEAT**: Select to choose between **TRACK**, **FOLDER** and **ALL**.
- **AUDIO**: Press to switch the audio channel.

- **Subtitle**: Press to turn on/off the subtitle.
- **OPTION**: Press to open tool bar.
- **STOP**: Press to stop the playback and return to the video interface.

3.3 Photo Playback

Enter photo interface, only supported image files and folder will be displayed. This player only supports JPEG files.

Select an image file to open the file. You can set the slideshow mode in the Setup menu.

- **Direction Button**: Press UP/DOWN/LEFT/RIGHT button to move the image.
- **ZOOM**: Press this button to activate the zoom mode.
- **REPEAT**: Select to choose between **TRACK**, **FOLDER** and **ALL**.
- **SLIDE**: Press this button to activate the slide show mode with background music.
- **STOP**: Press this button to stop the playback and return to the photo interface
- **OPTION**: Press this button to open tool bar.

3.4 Music Playback

Enter music interface, only supported audio files and folder will be displayed. This player supports MP3 and WMA audio files.

Select an audio file to start playback. You can access the following functions during playback:

- **PLAY/PAUSE**: Press this button to play/pause the playback
- **FR/FF**: Press to fast reverse/fast forward the current playback. Press repeatedly to select speeds(2x/4x/6x/8x/16x/32x)
- **REPEAT**: Select to choose between **TRACK**, **FOLDER** and **ALL**.
- **STOP**: Press to stop the playback and return to the audio interface
- **OPTION**: Press to open tool bar.

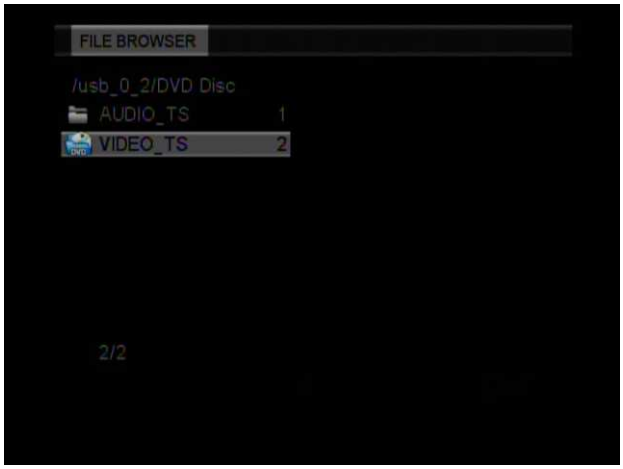
3.5 Browser

Enter Browser interface, all supported video/audio/image files and folder will be displayed, you can also access all the functions corresponding to each file type.

- **MENU**: Press to edit the current file

3.5.1 DVD Playback

DVD DISC files stored on an external HDD can be played directly on the player. Enter the folder, make sure the cursor is on **VIDEO_TS**, and then press the **DVD** button on the remote control to start the playback.



Press the navigational buttons to select options while navigating in the DVD root menu. You can access the following functions during playback:

- **HOME**: Press to return to the root menu during playback.

- **OPTION**: Press to activate/hide the tool bar during playback.
- **PREV/NEXT**: Press to go to previous/next chapter.
- **STOP**: Press to stop the playback.

You can switch the audio languages, subtitle, etc… thanks to the buttons in the tool bar.

Note: The VIDEO_TS and AUDIO_TS directories must be copied together to one same folder on the HDD.

3.6 Storage device

In the main interface, enter Device interface to enter storage device interface. When there is more than one partition, you can select the specific partition you want.

3.7 Setup Menu

The Setup Menu allows you to configure language, video, photo, misc and auto play settings, etc. To enter the menu, enter Setup interface in the main interface or press SETUP button on the remote control.

3.7.1 Language setup

Select Language setup and you can setup OSD Language, Encoding, etc.

OSD language	To select and change the system language. It supports English, French, German, Italian, Spanish, etc.
Encoding	Select to set text encoding.
Slide time	Select to set the interval time of photo slide show: **5S**, **10S**, or **15S**.
Slide mode	Select to set the transitional effect of photo slide show.
Defaults	Restore the unit to factory settings.

3.7.2 Display setup

Select Display Setup and you can setup TV standard, display type contrast and HDMI resolution.

TV STANDARD

TV standard	NTSC, PAL , AUTO
Display type	4:3 PS, 4:3 LB, 16:9
Contrast	-4,-3,-2,-1,0,+1,+2,+3,+4
HDMI resolution	480i, 480P, 576i, 576P, 720P, 1080i

3.7.3 Photo setup

Select Photo setup and you can setup interval time, transition effect, show type, color tone and browse.

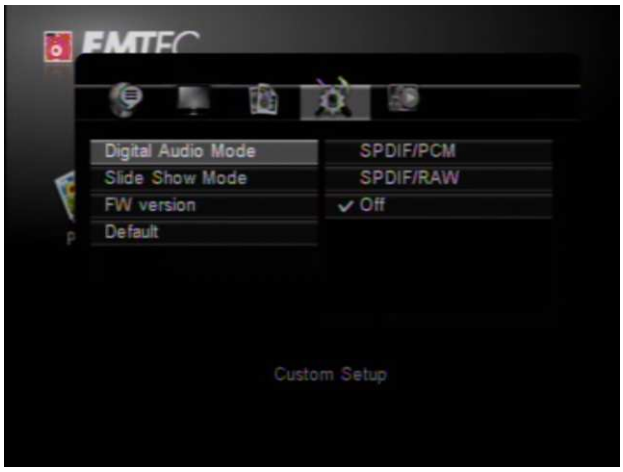
INTERVAL TIME

Interval time	5 Sec, 10 Sec, 15 Sec, 30 Sec, 1 Min, 3 Min, Off
Transition effect	Select to set the transition effect for photo slide show.
Show type	Fit Screen, Full Screen
Color tone	Normal, Black & White, Classic
Browse	Thumbnail, File Manager

3.7.4 Custom setup

Select Custom setup and you can setup digital audio mode, slide show mode, firmware version and default.

DIGITAL AUDIO MODE



Digital audio mode	SPDIF/PCM, SPDIF/RAW, OFF
Slide show mode	Folder, all files
Firmware version	Show the FW version
Default	Select to restore factory defaults.

3.7.5 Auto play setup

Select auto play setup and you can setup auto play in photo, music and movie.

PHOTO

Photo	ON, OFF
Music	ON, OFF
Movie	ON, OFF

4. Upgrading the Firmware

The firmware is the operating system (OS) installed on the device. Firmware upgrades can bring new features, improvements and bug fixes.

Download the latest firmware from our official website.

Step 1: Prepare the Memory Card
You will need a Memory Card for firmware upgrade. Make sure there is no file in the Memory Card. Copy the file "UPG956M.AP" to the root directory of a Memory Card. No change the file name.

Step 2: Power on the player and connect it with TV.

Step 3: Connect the Memory Card
Plug the Memory Card into one of the card slot of the player.

Step 4: Enter PHOTO, MUSIC, MOVIE or BROWSER in the main interface

Firmware installation will then start. You will see a short message “Upgrade flash..Erase.." on the left upper corner on the TV screen.

Please wait for about 1 minute, and installation will be completed. Then the player will reset.

Note:
Do not turn off the power during installation;
The Memory Card is not allowed to be unplugged during installation.

5. Appendixes

5.1 Specifications

Technical Specifications

Video	Format: AVI, VOB, MPG,DAT, MP4, TS
	Codec: MPEG-1, MPEG-2
	Resolution: Up to 720x576 (PAL), 720x480 (NTSC)
	Subtitle: SRT, SSA, SMI
Audio	Format: MP3, WMA, OGG (DRM, Pro and Advanced Profile not supported)
	Codec: MP2, MP3, PCM, LPCM
	Compression rate: MP3: 32 Kbps~320 Kbps; WMA: 32 Kbps~192 Kbps
Photo	JPG/JPEG, BMP (720p/1080i)
	Slide Show and zoom support
A/V Output	Video: Composite, Component, HDM I (Version 1.1) up to 720p/1080i
	Audio: HDMI, S/PDIF Optical, S/PDIF Coaxial
TV System	PAL, NTSC, Auto
USB Interface	USB 2.0 DEVICE port x 1
	USB 2.0 HOST port x 1
Card Reader	SD/SDHC/MMC/MS
Hard Disk	3.5’ SATA HDD up to 1TB
File System	FAT32, NTFS
Operating Temperature	+5℃ to +35℃
Power	AC-DC Adapter 12V, 1.5A
Dimension	180x220x40

Note: The specifications and design of this product are subject to change without notice.

5.2 Frequently Asked Questions

Question 1. My computer does not recognize my player.

Answer:

(1) Make sure the player is powered on. If it is off, the computer will not be able to find the player.

(2) Make sure the player is connected to computer. (Refer to 1.4.1 for connecting player to computer).

(3) When using Windows 98SE, install the USB driver first. After installation, restart the computer. Then reconnect the player to the computer. (Refer to 1.4.1 for connecting player to computer).

(4) If you installed the Windows 98SE driver over your Windows® XP, 2000, or ME edition, problems might occur.

(5) It is not recommend using the USB ports in the front of your computer, try to use the USB ports in the rear, because the USB ports in the front are often from non-powered hubs.

Question 2. When I try to disconnect the USB device, I keep on getting "The device 'Generic volume' cannot be stopped right now. Try stopping the device again later." message, what should I do?

Answer:

Close any program that might be accessing data on the player, including Windows® Explorer. If it does not work, close all programs and wait for another 20 seconds, then try the green arrow icon again. If it still does not work, you should shut down the player and disconnect the USB cable.

Question 3. I find new file names and folder names that I never created before or they have strange gibberish names.

Answer:

Most likely, the player's file allocation table (FAT) has been corrupted. This might be due to the player shutting down (due to low battery power) while reading or writing to your computer by the USB connection. Windows and Macintosh often write extra files to the hard disk such as finder.def or System volume info. These are normal and will not do any harm to the player.

Question 4. I used my player to transfer files back and forth between different computers. Will defragmenting the player hard disk do any harm to it?

Answer:

Defragmenting the player hard disk may be useful after having transferred many files to and from the player. It is never harmful to use the defragment on the player. Make sure no other programs are running while using the Windows® defragment utility. Make sure you have connected the player with the external power adapter during this procedure.

Question 5. My files have disappeared from the player.

Answer:

Make sure that you browse your files via the correct Browser mode which means correct

filtered views such as Photos, Music, or Movies.

Question 6. Why do some supported photo formats, can not be shown in the photo function?

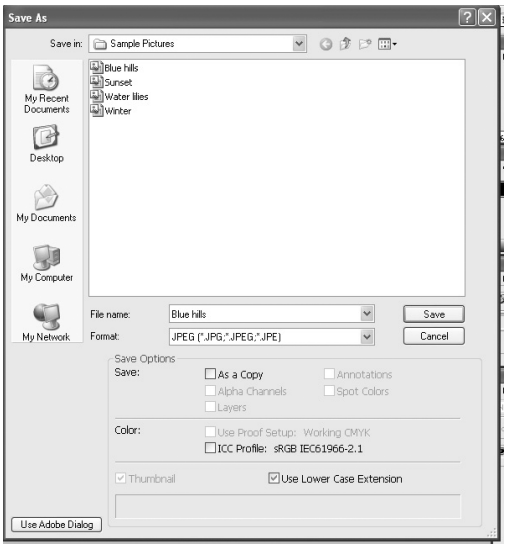
Answer:

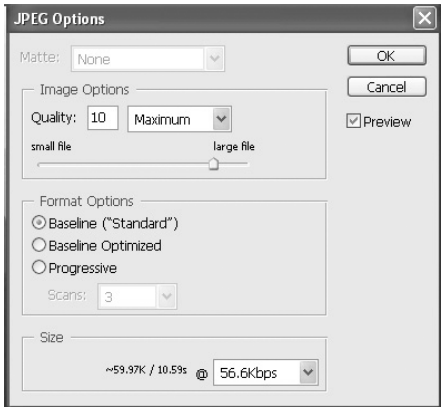
In the JPEG format there are different modes. The player doesn't support all the modes. So you have to change your photo format first as follow:

(1) Use Photoshop to open the photo.

(2) Choose "File" then "save as" from the menu, as the picture on the left hand side shows, select the picture format as JPEG, input the file name and click the "save" icon.

(3) After click on the "save" icon, a new window will appear as the picture on the right hand side shows, select "Baseline (standard)" or "Baseline optimized".





(4) Click the "OK" icon.

5.3 Copyrights and Trademarks

Copyrights

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5.4 Warranty

What your warranty *does not* cover:

- Acts of nature, such as fire, static discharge.
- Damage from unauthorized repair, alteration or accident.
- Damage from misuse or neglect.
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